

GREENWOOD CHEMICAL
ADMINISTRATIVE RECORD FILE FOR THE * **
UNILATERAL ADMINISTRATIVE ORDER
INDEX OF DOCUMENTS

1. Letter to Mr. Ray Bowles, Virginia State Water Control Board, from Mr. Joseph M. Goldsmith, County of Albemarle Planning Department, re: Request for information on the fish kills at Stockton Creek, 7/6/71. P. 1-6. The following are attached:
 - a) a memorandum regarding the fish kill at Stockton Creek, dated July 9, 1971;
 - b) a memorandum regarding a summary of a visit to the Greenwood Chemical Company, dated August 3, 1971;
 - c) a memorandum regarding the number of fish killed at Stockton Creek, dated October 4, 1971;
 - d) a letter regarding transmittal of a report on the fish kill, dated July 5, 1972.
2. Letter to Mr. D.C. Prager from Mr. Clint Shipman, Greenwood Chemical Company, re: Submittal of an application for a Non-Discharge Certificate, 1/3/73. P. 7-14. Application information is attached.
3. No-Discharge Certificate for Industrial Wastes or Other Wastes application package, 10/75. P. 15-24.
4. Memorandum to VRO file from Mr. J.A. Preston, Virginia State Water Control Board, re: Summary of a tour of the Greenwood Chemical Company and inspection of waste holding ponds, 1/29/76. P. 25-28. A diagram of the site is attached.
5. Memorandum to VRO file from Mr. Tom Mizell, Virginia State Water Control Board, re: Summary of a site visit, 1/20/76. P. 29-30.

* Administrative Record File available 8/25/94.

** Additional documents supporting the issuance of the Unilateral Order are available in the Greenwood Chemical Administrative Record File.

6. Memorandum to Mr. L.G. Lawson, Bureau of Applied Technology; Mr. Michael A. Bellanca, Bureau of Surveillance and Field Studies; Mr. A.H. Paessler, Operations; and Mr. R.E. Bowles, Bureau of Enforcement, from Mr. James A. Preston, Virginia State Water Control Board, re: Information on Greenwood Chemical Company, 1/29/76. P. 31-34. A location map and a list of raw materials and products are attached.
7. Letter to Mr. James A. Preston, Virginia State Water Control Board, from Mr. Clinton C. Shipman, Greenwood Chemical Company, re: Transmittal of an application for discharge of clean cooling water and data for a No Discharge Permit application, 3/8/76. P. 35-45. The data is attached.
8. Letter to Mr. Clinton C. Shipman, Greenwood Chemical Company, from Mr. James A. Preston, Virginia State Water Control Board, re: Work sequence information for a Zero Discharge Permit, 9/27/76. P. 46-50. Attachment A, Schedule for Zero Discharge Permit Justification, is attached.
9. Letter to Mr. Clinton Shipman, Greenwood Chemical Company, from Mr. Larry G. Lawson, Virginia State Water Control Board, re: Approval of the schedule for attainment of a Zero Discharge System, 9/27/76. P. 51-56. A memorandum dated July 30, 1976 regarding permit application information and Attachment A, Schedule for Zero Discharge Permit Justification, are attached.
10. Letter to Mr. James Preston, Virginia State Water Control Board, from Mr. Clint C. Shipman, Greenwood Chemical Company, re: Transmittal of toxicity reports for products in production, made in the past, or to be made in the future, 10/25/76. P. 57-93. The toxicity reports are attached.
11. Memorandum to Mr. C.T. Mizell, Virginia State Water Control Board, from Mr. R.M. Sterrett, Virginia State Water Control Board, re: Site investigation to inspect a proposed area for waste discharge facilities, 11/1/76. P. 94-95. A location map is attached.
12. Diagram, Greenwood Chemical Company Zero Discharge System, Existing Plant Facilities & Piping, prepared by Austin Bockenbrough and Associates, 11/15/76. P. 96-

13. Letter to Mr. Clinton C. Shipman, Greenwood Chemical Company, from Mr. C.T. Mizell, Virginia State Water Control Board, re: Response to a letter concerning plans to handle wastes, 2/22/77. P. 97-102. A letter dated February 9, 1977 regarding comments on drawings and a letter dated February 1, 1977 regarding drawings are attached.
14. Letter to Mr. William Kregloe, Virginia State Water Control Board, from Mr. Robert Bennett, Greenwood Chemical Company, re: Summary of site activities, 4/9/79. P. 103-107. Sixteen photographs are attached.
15. Letter to Mr. William Kregloe, Virginia State Water Control Board, from Mr. Robert Bennett, Greenwood Chemical Company, re: Summary of site activities, 5/9/79. P. 108-113. Sixteen photographs are attached.
16. Letter to Mr. William Kregloe, Virginia State Water Control Board, from Mr. Robert Bennett, Greenwood Chemical Company, re: Summary of site activities, 6/11/79. P. 114-119. Sixteen photographs are attached.
17. Handwritten note to Bill from Mr. Bob Bennett, re: Transmittal of photographs, 7/19/79. P. 120-123. The photographs are attached.
18. Data Summary Form: Inorganics, Greenwood Chemical, case number 11143, 12/18/88 to 12/19/88. P. 124-144.
19. Data Summary Form: Volatiles, Greenwood Chemical, case number 11143, 12/18/88 to 12/19/88. P. 145-156.
20. Data Summary Form: Inorganics, Greenwood Chemical, case number 11143, 12/18/88 to 12/20/88. P. 157-159.
21. Data Summary Form: Volatiles, Greenwood Chemical, case number 11269, 1/17/89. P. 160-171.
22. Data Summary Form: Inorganics, Greenwood Chemical, case number 11269, 1/19/89 to 1/20/89. P. 172-174.
23. Volatile Organics Analysis Data Sheet, Tentatively

Identified Compounds, case number 11269, 1/20/89.
P. 175-203.

24. Data Summary Form: Inorganics, Greenwood Chemical, case number 11321, 1/28/89. P. 204-204.
25. Data Summary Form: Volatiles, Greenwood Chemical, case number 11321, 1/29/89. P. 205-214.
26. Data Summary Form: Volatiles, Greenwood Chemical, SAS numbers 4527C-T1-01 to 4527C-T1-29, 4/3/89 to 4/6/89. P. 215-241.
27. Data Summary Form: Inorganics, Greenwood Chemical, case number 11679, 4/4/89. P. 242-245.
28. Transmittal record to Mr. Darius Ostrauskas, U.S. EPA, from Mr. J.D. Kobler, U.S. Army Corps of Engineers, re: Analytical results from the third phase of predesign investigations, 2/21/91. P. 246-258. The results are attached.
29. Transmittal record to Mr. Darius Ostrauskas, U.S. EPA, from Mr. J.D. Kobler, U.S. Army Corps of Engineers, re: A summary of contaminants, 3/14/91. P. 259-264. The summary is attached.
30. Explanation of Significant Differences, Greenwood Chemical Site, Albemarle County, Virginia, 7/17/91. P. 265-268.
31. Letter to Mr. L. Franklin Stevens, High Point Chemical Company, from Mr. Abraham Ferdas, U.S. EPA, re: Notice of potential liability, 8/23/91. P. 269-273.
32. Letter to Mr. Albert Cereghino, Greenwood Chemical Company, from Mr. Abraham Ferdas, U.S. EPA, re: Notice of potential liability, 8/23/91. P. 274-278.
33. Letter to Mr. Albert Cereghino, Greenwood Chemical Company, from Mr. Abraham Ferdas, U.S. EPA, re: Notice of decision not to use special notice procedures regarding a portion of the response actions and of opportunity to perform remedial work, 8/23/91. P. 279-283.
34. Letter to Mr. L. Franklin Stevens, High Point Chemical Company, from Mr. Abraham Ferdas, U.S. EPA, re: Notice of decision not to use special notice procedures

regarding a portion of the response actions and of opportunity to perform remedial work, (undated).
P. 284-288.

35. Letter to Mr. Darius Ostrauskas, U.S. EPA, from Mr. Gerald A. Hapka, DuPont, re: Comments on the Explanation of Significant Differences, 9/5/91.
P. 289-290.
36. Report: Final Fate & Transport Modeling for Determination of Soil Cleanup Goals Protective of Groundwater, Volume I, Greenwood Chemical Site, Albemarle County, Virginia, prepared by Halliburton NUS, 2/93. P. 291-424.
37. Report: Final Fate & Transport Modeling for Determination of Soil Cleanup Goals Protective of Groundwater, Volume II - Appendix G, Modeling Results and Isoconcentration Maps, Greenwood Chemical Site, Albemarle County, Virginia, prepared by Halliburton NUS, 2/93. P. 425-636.
38. Memorandum to Greenwood Chemical Superfund Site Potentially Responsible Parties (PRPs) from Mr. Charles B. Howland, U.S. EPA, re: Intent to issue a second Explanation of Significant Differences (ESD), 3/25/93. P. 637-653. A list of PRPs and the proposed ESD are attached.
39. Letter to Mr. Charles B. Howland, U.S. EPA, from Mr. William Barton and Mr. William T. Welch, Barton, Mountain & Tolle, re: Comments on the proposed ESD, 4/12/93. P. 654-655.
40. Letter to Mr. Charles B. Howland, U.S. EPA, from Ms. Susan D. Sawtelle, Wiley, Rein & Feilding, re: Comments on the proposed ESD, 4/20/93. P. 656-661. Attachment A, Studies discussing effective alternatives to incineration of contaminated soil as a treatment/remedial method, is attached.
41. Letter to Mr. Philip Rotstein, U.S. EPA, from Mr. Scott B. Peyton and Mr. Timothy Lindstrom, Greenwood Citizens Council, re: Comments on the proposed ESD, 4/20/93. P. 662-664.

42. Letter to Mr. Philip Rotstein, U.S. EPA, from Ms. Bonnie Allyn Barnett, Drinker, Biddle & Reath, re: Comments on the proposed ESD, 4/21/93. P. 665-666.
43. Letter to Mr. Charles B. Howland, U.S. EPA, from Mr. Gary F. Danis, Kerby, Cooper, English, Danis & Garvin, re: Comments on the proposed ESD, 4/23/93. P. 667-669.
44. Report: Final Remedial Design Specifications, Greenwood Chemical, Newtown, Virginia, prepared by U.S. Army Corps of Engineers, 1/94. P. 670-933. A drawings report entitled "Greenwood Chemical Site," is attached.
45. Letter to addressees on attached list from Mr. Charles B. Howland, U.S. EPA, re: Transmittal of the final ESD, 4/11/94. P. 934-975. The final ESD and Responsiveness Summary are attached.
46. Memorandum to file from Mr. Philip Rotstein, U.S. EPA, re: Summer-Fall 1991 sampling results, 6/27/94. P. 976-1003. Sampling results tables for sample numbers BNO2 to BN08, L101, L103, L201 to L204, L303, L305, DD01 to DD05, and SA01 are attached.
47. Report: Appendix A, Field Investigation Report, Greenwood Chemical Superfund Site, Albemarle County, Virginia, prepared by U.S. Army Corps of Engineers, (undated). P. 1004-1552.
48. Map, Greenwood Chemical, prepared by U.S. Army Corps of Engineers, (undated). P. 1553-1553.
49. Figure 4.1, Draft Site Map, Proposed Boring Locations, (no creator cited), (undated). P. 1554-1554.